IEEE P802.22  
Wireless RANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minute of IEEE 802.22b Task group at 2014 Bei Jing Plenary Face-to-Face Meeting | | | | |
| Date: 2014-03-21 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Chunyi Song | NICT | 3-4, Hikarino Oka, Yokosuka, Kanagawa, 239-0847, Japan | +81-468475095 | songe@nict.go.jp |
| Chang-woo Pyo | NICT | 3-4, Hikarino Oka, Yokosuka, Kanagawa, 239-0847, Japan |  | cwpyo@nict.go.jp |

Abstract

This document presents the minutes of IEEE 802.22b task group at Bei Jing Face-to-Face Meeting from 16th to 21st March 2014.

**IEEE 802.22b Task Group**

**Notice:** This document has been prepared to assist IEEE 802.22. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

**Release:** The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.22.

**Patent Policy and Procedures:** The contributor is familiar with the IEEE 802 Patent Policy and Procedures

<[**http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**](http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf)>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair Apurva Mody <[apurva.mody@ieee.org](mailto:apurva.mody@ieee.org)> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.22 Working Group. **If you have questions, contact the IEEE Patent Committee Administrator at <**[**patcom@ieee.org**](mailto:patcom@ieee.org)**>**.

**18th March (Tuesday), AM1**

**Minutes:**

1. The meeting was called to order by Chair at 0830 AM.

2. 8 participants (all are voting members) were in the meeting room.

3. Chair reminded everyone to mark attendance.

4. The patent policy was read out as well as the Title, PAR and Purpose of 802.22b task group.

5. IEEE 802.22b TG title, PAR and purpose were reviewed.

6. The agenda as contained in 22-14-0050-00-000b for the coming week was reviewed.

The following motion was proposed to approve the agenda.

**Motion #1**

Motion to approve 2014 March Beijing Plenary agenda for 802.22b task group as contained in 22-14-0050-00-000b

Move: Chang-Woo Pyo

Second: Sunghyun Hwang

Motion passed with unanimous consent.

7. Achievements in January meeting were reviewed.

8. Chair reviewed the January face-to-face meeting minute.

**Motion #2**

Motion to approve 2014 January face to face meeting minute for 802.22b task group as contained in 22-14-0030-00-000b

Move: Chang-woo Pyo

Second: Sunghyun Hwang

Motion passed with unanimous consent.

9. Chair reviewed the teleconference held on 13rd Feb., 20th Feb., 27th Feb., 6th March and 13th March, and the meeting minutes as contained in 22-14-0048-00-000b.

**Motion #3**

Motion to approve meeting minutes for teleconference held after January face-to-face meeting for 802.22b task group as contained in 22-14-0048-00-000b

Move: Chang-woo Pyo

Second: Chunyi Song

Motion passed with unanimous consent.

10. Discussion of time slots for presentation of each comment resolution was carried out.

1) Tuesday 18th AM1 Comment Resolution related to MAC (Dr.Pyo)

2) Tuesday 18th AM2 Comment Resolution related to MAC (Dr.Pyo)

Comment Resolution related to PHY Mode 2 (Dr.Oodo, 50r0)

3) Tuesday 18th PM1 Technical contribution related to data rate (Dr.Hwang 0051r0)

4) Tuesday 18th PM2 Comment Resolution related to multi-channel operation (Dr.Toh)

Comment Resolution related to MIMO (Dr.Gabriel)

5) Wednesday 19th AM1 Comment Resolution from Ranga

6) Thursday 20th AM1 Comment Resolution related to data rate (Prof. Sasaki)

11. The meeting was recessed at 10:00 am.

**IEEE 802.22b Task Group**

**18th March (Tuesday), AM2**

1. The meeting was called to order by Chair at 10:40 AM.

2. 10 participants including 8 voting members, IEEE officer and Dr. Yuchun Wu were at the meeting room.

3. Comment resolution files regarding MAC were presentd by Dr. Pyo for discussion based on documents of 22-14-0003-01-000b (Access Zone Frame), 22-14-0024-01-000b (MAC frame).

4. Comment resolution files regarding PHY mode2 were presentd by Dr. Oodo for discussion based on documents of 22-14-0052-00-000b (change from 2K FFT to 1K FFT), 22-14-0016-01-000b (datarate using MIMO).

5. The meeting was recessed at 12:37.

**IEEE 802.22b Task Group**

**18th March (Tuesday), PM1**

1. The meeting was called to order by Chair at 13:30 PM.

2. 11 participants were in the meeting room, including 9 voting members, IEEE officer and Yuchun Wu from Huawei.

3. Contribution on "datarates of IEEE 802.22b systems" was presentd by Dr. Huang for discussion based on document of 22-14-0051-00-000b.

4. The slot was used by WG for discussing 802.22 comments to 802.11 HEW and 802.22 revision PAR for 802.22-2011.

5. The meeting was recessed at 15:34.

**IEEE 802.22b Task Group**

**18th March (Tuesday), PM2**

1. The meeting was called to order by Chair at 16:00 PM.

2. 8 participants were in the meeting room, including 7 voting members and Yuchun Wu from Huawei.

3. Comment resolution file regarding multi-channel operation was presentd by Dr. Toh for discussion based on document of 22-14-0043-00-000b.

4. Comment resolution files regarding MIMO operation was presentd by Dr. Villardi for discussion based on documents of 22-14-0034-00-000b.

5. The meeting was recessed at 18:00.

**IEEE 802.22b Task Group**

**19th March (Wednesday), AM1**

1. The meeting was called to order by Chair at 0830 PM.

2. 7 participants (all are voting members) were in the meeting room.

3. Comment resolution was presented by Ranga based on documents of 22-14-0060-00-000b and discussions were carried out.

4. The meeting was recessed at 10:00.

**IEEE 802.22b Task Group**

**20th March (Thursday), AM1**

1. The meeting was called to order by Chair at 0830 PM.

2. 8 participants (all are voting members) were in the meeting room.

3. Through teleconference bridge Prof. Sasaki from Niigata University presented comment resolution files regarding coding and modulation for discussion based on documents of 22-14-0054-00-000b, 22-14-0055-00-000b, 22-14-0056-00-000b.

4. Comment resolution files from Ranga were explained by Dr. Pyo for discussion based on documents of 22-13-0157-00-000b, 22-14-0026-01-000b.

5. Motion was made to approve to issue the revised document of draft standard and request WG's approval to start second letter ballot.

6. The meeting was recessed at 10:00.